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PRELIMINARY ASSESSMENT

BAKKR BEAN AND PEED

POWELL, PARK COUNTY, WYONING

TDD \$F08-9106-15 - PAN \$FWY0093PAA

EPA ID #WYD151592037

EPA SITE ASSESSMENT MANAGER: LUKE CHAVEZ

E & E PROJECT OFFICER: JOHN DUVALDT

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SUBMITTED TO: GERRY SNYDER, FIT-RPO

LUKE CHAVEZ, SITE ASSESSMENT MANAGER

DATE SUBMITTED: SEPTEMBER 27, 1991

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TABLE OF CONTENTS

LIST OF FIGURES AND TABLES
LIST OF FIGURES AND TABLES
1.0 INTRODUCTION AND OBJECTIVES1
2 2 4 2 4 5 4 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
2.0 SITE DESCRIPTION
2 2 Site History
7.3 Current Site Activities
2 V Ceology, Hydrogeorogy and myssesses
7 A.1 Geology
2.4.3 Hydrology
3.0 PRELIMINARY PATHWAY ANALYSIS
3 1 Air Migration rathway
3.2 Ground Migration water rathway.
3.3 Surface Migration Water Pathway7 3.4 Soil Exposure Pathway
3.4 Soil Exposure Pathway
4.0 CONCLUSIONS
4.0 CONCLUSIONS
5.0 REFERENCES
APPENDICES
APPENDIX A: PA QUESTIONNAIRE
APPENDIX B: STANDARD PA FORM
APPENDIX C: PHOTO LOG
LIST OF FIGURES
FIGURE 1 RADIUS OF INFLUENCE MAP
FIGURE 2 SAMPLE LOCATION MAP
FIGURE 3 PRELIMINARY RESULTS TABLE

PRELIMINARY ASSESSMENT BAKER BEAN AND FEED POWELL, PARK COUNTY, WYOMING TDD #F08-9106-15 - PAN #FWY0093PAA EPA ID #WYD151592037

1.0 INTRODUCTION AND OBJECTIVES

This Preliminary Assessment (PA) of the Baker Bean and Feed site in Powell, Park County, Wyoming has been prepared to satisfy the requirements of Technical Directive Document (TDD) #F08-9106-15 issued to Ecology and Environment, Inc. Field Investigative team (FIT) by the Region VIII office of the U.S. Environmental Protection Agency (EPA).

On January 17, 1990 the Region VIII EPA-Emergency Response Branch (EPA-ERB) tasked the Environment and Ecology, Inc., Technical Assistant Team (TAT) to respond and provide technical assistance to a pesticide warehouse fire at Baker Bean and Feed in Povell, Wyoming. TAT members Karen Abbenhaus and Linda Morrison responded to the site on January 18, 1990. Numerous samples were taken from the surrounding surface water, soil, and from the fire site before and after clean-up.

The objectives of this Preliminary Assessment are to:

- Describe the local environmental pathways and their associated targets which may have been affected by contaminant releases from the site;
- Confirm disposal of unburned pesticide waste;
- Confirm clean-up actions by the responsible party.

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2.0 SITE DESCRIPTION

2.1 SITE LOCATION

Baker Bean and Feed is located in Township 55 North, Range 99 West, at 313 South Fair Street in Powell, Park County, Wyoming. The site coordinates are 44° 44′ 59" north latitude and 108° 46′ 11" west longitude. The warehouse is in a mixed commercial and industrial area, and the closest residences are located approximately one and half blocks to the south, north, and southeast. Parkside School is two blocks directly north of the site and a baseball park is two blocks to the south. Garland Canal runs directly next to the site on the north boundary.

2.2 SITE HISTORY

TAT was notified on January 17,1990 to respond to a warehouse fire involving pesticides at Baker Bean and Feed. At the time of the fire, the warehouse was stocked with the following pesticides, as provided by the PRP (Ecology and Environment, Inc. 1990):

Counter 15G (Terbufos)	100	pounds
Dual 25G (Metolachlor)	100	pounds
Malathion 6% Dust	50	pounds
Halathion 2% Dust	20	pounds
Isotox seed treat (Lindane)	70	pounds
Benlate DF (Benomyl)	350	pounds
Temik 15G (Aldicarb)	645	pounds

TAT arrived on site on January 18, 1990 and met with Peter Stevenson, the On-Scene Courdinator (OSC), the Wyoming Department of Environmental Quality (WDEQ), Ralph Heare (owner of Baker Bean and Feed), Dick Kahl (Baker's attorney), and Mick Tomlin (adjuster for Manville Claims Service). Site safety precautions and sampling locations were discussed.

Between January 19-21, 1990, TAT collected the following samples (Figure 2):

- Onsite surface water samples from two puddles of fire water runoff;
- Surface water sample taken from landfill pond where fire runoff water was taken;
- Sixteen soil samples from area surrounding site;
- o Two irrigation water samples (one upstream and one downstream from the site);
- Two dead fish samples taken from the canal downstream;
- o Four samples from the pesticide storage area from the east, middle, west, and behind the pile of burned pesticides;
- o Three clean-up confirmation samples from the east, south, and west side of the debris surrounding the removal area.

Samples were shipped via Federal Express to Chemex, International for analysis. All soil samples were analyzed for the six pesticides, with the exceptions of samples EB-SO-01 and BB-SO-15, which were analyzed for all phosphated and chlorinated pesticides, chlorinated herbicides, carbamates, base/neutral/acid extractable organics (BNAs) and RCRA characteristics. The water samples were analyzed for the six pesticides. Waste and debris samples were analyzed for all phosphated and chlorinated pesticides, carbamates, BNAs and RCRA characteristics. Canal water samples, offsite soil samples, dead fish samples, and post clean-up results are presented in Table 1.

The runoff water used to extinguish the fire flowed to the north and to the south of the site, and was contained in temporary dikes and

embankments. Later the fire water was hauled to waste disposal at the city landfill (Ecology and Environment, Inc. 1990).

On January 21, 1990 TAT observed and documented the pesticide removal. West Hazmat, the clean-up contractor, segregated all debris from different areas of the pile and staged the debris in separate 55-gallon steel drums. A total of nine drums were filled with debris, including soil from the surrounding area, and removed from the site (Ecology and Environment, Inc. 1990).

2.3 CURRENT SITE ACTIVITIES

A new warehouse facility was erected on the same concrete foundation, with the same dimensions as the original building. The business operations have returned to normal distribution and retail sale of fertilizer, bean seed, grains and various feeds. Minimal amounts of pesticides are currently kept on hand, due to the "buy as we sell" policy that Baker now follows (Beerline 1991).

Based on the results provided by TAT, the concentrations of Lindane, Malathion and Metolachlor after clean-up were far below dangerous exposure levels in samples taken prior to clean-up. The BNA results reflect combustion residuals, and the source of these residuals has been removed from the site. A comparison of data from the irrigation ditch adjacent to the site shows that upstream (BB-SW-03) and downstream samples (BB-SW-04/6) contain no contamination. The detection limits applied in the analysis of these samples ranged from .05 to .50 µg/l (Table 1). The site poses no threat to the surrounding population.

2.4 GEOLOGY, HYDROGECLOGY, HYDROLOGY

2.4.1 Geology

Powell, Wyoming is located at 4300 feet in the broad Shoshone Valley in the Bighorn Basin, bordered on nearly all sides by high mountain ranges. Gravel terraces rise above the valley alluvium to the

adjoining Bighorn Mountains (at 7000 to 9500 feet) on the east and south, and the Beartooth, Absaroka and Shoshone mountains on the west. McCullock Peak lies 12 miles to the southwest of Powell at an altitude of 6000 feet. Heart Mountain, an isolated butte 20 miles to the west, is another prominent topographic feature at 8000 feet. Between Heart Mountain and McCullock Peak are several hogback ridges, due to minor folding.

Powell is situated on the Cretaceous Laramie Formation, which consists of sandstone, shales, clays and unpredictable layers of coal. Overlying the Laramie Formation is the Tertiary Wasatch Formation, which consists of sand, clay and conglomerate, and appears in outcrops along the southwestern edge of the Shoshone Valley near Powell. Above the Wasatch Formation lies Polecat Bench, an extensive Quaternary gravel terrace that borders Powell to the northwest.

2.4.2 Hydrogeology

The Laramie Formation consists of sandstone underlying shale, which traps large reservoirs of water in the Shoshone Valley aquifer. The dips in the central basin are gentle, while the steep slopes on the sides afford excellent areas for artesian systems. Artesian flows are common in the valley, as are springs which have small flows of alkali water derived from the nearby gravel terraces. Permeable gravel in the Polecat Bench yields water from a shallow well system. The well field that lies northwest of Powell supplies the 5,000 residents with drinking water, with a maximum water table depth of 35 feet. There are no municipal wells near the site. At the end of October, 1991, Powell will begin to receive drinking water from a water treatment facility at the Buffalo Bill Reservoir, approximately 30 miles to the southwest near Cody, Wyoming. The entire Bighorn Basin is transferring to a pipeline system from the reservoir, but the existing well field will remain in an emergency capacity (Collier 1991).

2.4.3 Hydrology

Garland Canal runs directly next to the site on the northern boundary and is separated from the warehouse by a dirt embankment. The water is diverted from the Shoshone River at the Corbett Dam and flows at an average 800 cubic feet per second (cfs) through Powell. During the peak irrigation season, the canal provides over 5,350 users with non-potable water from Powell to Garland (approximately five downstream miles). At Garland, the canal joins Bitter Creek, which is considerably smaller and flows at 57 cfs eastward.

Bitter Creek joins the Shoshone River ten miles east of Powell. The Shoshone River is the Bighorn River's largest tributary and supplies the Shoshone valley with water for its irrigation and livestock needs. Originating in Buffalo Bill Reservoir, the Shoshone flows at an average of 950 cfs until it converges with the Bighorn River 30 miles to the northeast of the city. Brown trout are found in Bitter Creek, and the Shoshone River is classified as a Class Three river with large populations of brown and rainbow trout.

3.0 PRELIMINARY PATHWAY ANALYSIS

3.1 AIR MIGRATION PATHVAY

The fire created a smoke plume containing pesticides and combusted pesticides. This plume caused the evacuation of Parkside Elementary School, located three blocks northwest of the fire site. Extensive offsite soil sampling (BB-SO-13, BB-SO-14, BB-SO-16) revealed no dangerous contamination levels, at detection limits ranging from 8 to 80 µg/kg. Clean-up of the fire debris eliminated the source of both particulates and gaseous contaminants, and no future contamination is likely.

3.2 GROUND MIGRATION WATER 'PATHWAY

The shallow well field that provides the 5,000 residents of Powell with drinking water lies upgradient to the site approximately three miles northwest. No municipal wells are near the fire site. Runoff water from the fire was contained in dikes on either side of the site and taken to waste disposal at a landfill pond (Ecology and Environment, Inc. 1990). The chance of contamination via migration to the Shoshone Valley aquifer is low.

3.3 SURPACE MIGRATION WATER PATHWAY

Garland Canal borders the site to the north, but a five foot dirt embankment separates the canal from the warehouse. The nearest canal intake, one-fourth mile east of the site, is diverted for irrigation purposes only. No surface water diversions for drinking water are recorded within 15 miles downstream.

Fire runoff water was contained and did not enter the canal. Dead sucker fish and brown trout were found in the canal, but analysis shows no chemical traces that might be attributed to the pesticide fire (Table 1). Although no samples of the canal water have been taken in the last year, a comparison of the upstream and downstream samples taken in 1990 shows no contamination in either (Garber 1991). The risk to surface water contamination is minimal.

3.4 SOIL EXPOSURE PATHWAY

Runoff water from the fire was contained and removed. Currently, there are soil stains and a damaged culvert in the area of containment (Photos 14 and 15). The stains could be attributed to any number of sources, given the large amounts of commercial/agricultural activity in the area. FIT staff conducting the site visit felt that it could have been used oil or some other vetting agent applied to stabilize the canal embankment. The soil surrounding the fire site was staged in drums and removed from the site. Confirmation clean-up samples show no dangerous

levels of contamination near the site, at detection limits ranging from 8 to 80 $\mu g/kg$. Future contamination via soil exposure pathway is improbable.

4.0 CONCLUSIONS

After the fire at Baker Bean and Feed, pesticide residue and unburned pesticide waste was placed in drums and removed. Runoff water was contained and taken to a landfill pond. Although the area of containment for the runoff water shows some slightly stained soil, these stains cannot be positively attributed to Baker Bean and Feed or the fire incident, due to industrial and commercial activity in the area. Post clean-up samples reflect a thorough disposal of contaminated waste. The site poses no further threat to the surrounding population and FIT suggests that no further action is required.

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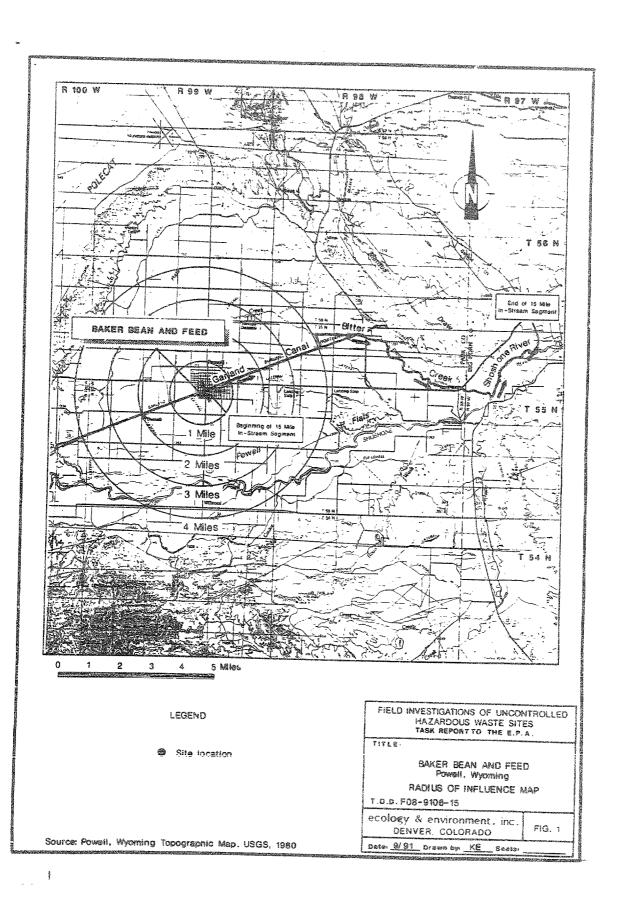
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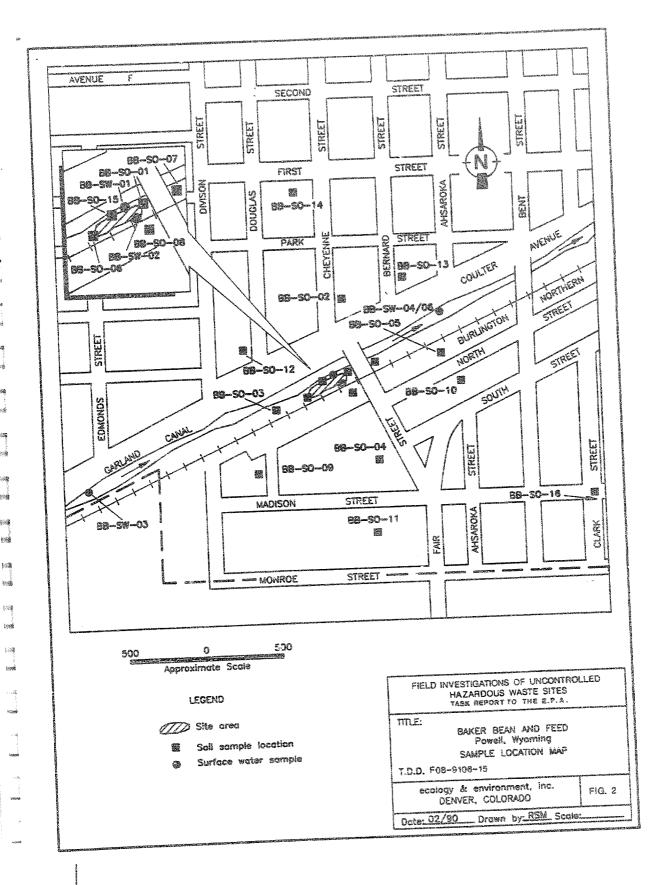
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Topographic Quadrangles for Elk Basin Southeast, Garland, Ralston,
Gillmore Northwest, Wyoming.

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- Compound was analyzed for but not detected.

BBSW03- upstream from the site BBSW04- downstream from the site BBSW06- downstream from the site

A blank space indicates compound was not analyzed for. Detection limits ranged from .05 to .50 ug/L.

Metolechler (Duel)

Terbufos (Counter)

Maiathion Methyl chlorpyriios Carbasete pesticides Aldicarb (Temak) 3-hydroxy carbofuran

BRA'S

Phonel 1-mechvlohemol 2.4-dimothylphenol

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2.4-dimothylphonol				

Compound was analyzed for but not detected.

A blank space indicates compound was not analyzed for.

Detection limits ranged from 8 to 80 ug/Kg.

BBS013- three blocks north of the site
BBS014- two blocks southeast of the site

BBS016- one & one-half blocks northeast of the site

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- Campound was analyzed for but not detected.

A blank space indicates compound was not amalyzed for.

Detection limits ranged from 8 to 80 ug/Kg.

BBPW01- east side of fertilizer pile before removal BBPW02- middle area of chemical pile before removal

BBPW03- west side of chemical pile before removal

BBPW04- bean pile before removal

BBCUO1- west side of pile after clean-up

· case 1 (coat.) CARCL BOAR AND FIND FIRE TOD 0786-9001-019

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Compound was analyzed for but not detected. A blank space indicates compound was not analyzed for. Detection limits ranged from 8 to 80 ug/Kg.

BBCU02- south side of pile after clean-up BBCU03- west side of pile after clean-up SUCKERS- fish found downstream from site BROWN TROUT- fish found downstream from site

APPENDIX A
PA QUESTIONNAIRE

Mame Sherrill Nelligan Location Powell, Park County, Wyoming
Site Name Baker Bean and Feed Date September 16, 1991

PA QUESTIONNAIRE

PA Questionnaire Page 2

MAJOR CONSIDERATIONS

A)	DOES ANY QUALITATIVE OR QUANTITATIVE INFORMATION EXIST THAT MAY INDICATE AN OBSERVED RELEASE TO AIR, GROUND VATER, SOIL OR SURFACE VATER? NO
	Describe:
B)	IF THE ANSWER TO \$1 IS YES, IS THERE EVIDENCE OF DRINKING WATER SUPPLY CONTAMINATION OR ANY OTHER TARGET CONTAMINATION (i.e. food chain, recreation areas, or sensitive environments)?
	Describe:
C)	ARE THERE SENSITIVE ENVIRONMENTS WITHIN A 4-MILE RADIUS OR 15 DOWNSTREAM MILES OF THE SITE? Yes IF YES, DESCRIBE IF ANY OF THE FOLLOWING APPLY:
	- Multiple sensitive environments?
	- Federally designated sensitive environment(s)?
	 Sensitive environment(s) downstream on a small or slow flowing surface water body? Riparian wetlands along Bitter Creek and
	Shoshone River.
D)	IS THE SITE LOCATED IN AN AREA OF KARST TERRAIN? No
	Describe:
E)	DOES THE VASTE SOURCE LIE FULLY OR PARTIALLY WITHIN A WELLHEAD PROTECTION AREA AS DESIGNATED ACCORDING TO SECTION 1428 OF THE SAFE DRINKING WATER ACT? NO
	Describe:
F)	DOES ANY QUALITATIVE OR QUANTITATIVE INFORMATION EXIST THAT PEOPLE LIVE OR ATTEND SCHOOL ON ONSITE CONTAMINATED PROPERTY? NO
	Describe:

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Keille	5940 5940 5940 5940
	document

SITE INFORMATION SITE NAME: Baker Bean and Feed ADDRESS: 313 South Fair Street CITY: Powell COUNTY: Park STATE: VY ZIP: 82435 EFA ID: VYD151592037 LATITUDE: 44° 44' 59" LONGITUDE: 108° 46′ 11" DIRECTIONS TO SITE (From nearest public road): The site is at the intersection of Fair Stree* and Coulter Avenue, next to the Garland Canal in Powell, Wyoming. SITE OWNERSHIP HISTORY (Use additional sheets, if necessary): A. Name of current owner: Ralph Hears and Coy Baker Address: 313 South Fair Street City: Powell County: Park State: WY Zip: 82435 Dates: From 9/17/86 To Present Phone: (307) 754-2978 B. Name of previous owner: E.H. Wallace and Sons Address: Unknown City: _____ County: ____ State: __ Zip: ____ Dates: From 1936 To 9/17/86 Phone: Source of ownership data: Beerline, Greg, 1991, Manager, Baker Bean and TYPE OF OWNERSHIP (Check all that apply): Y Private ____ State ____ Nunicipal ____ County ____ Other (describe): ____ Pederal

PA Questionnaire

Page 3

ADDRESS: 313 South Fair Street CITY: Powell COUNTY: Park STATE: WY ZIP: 82435 PHONE: (307) 754-2978 BACKGROUND/OPERATING HISTORY DESCRIBE OPERATING HISTORY OF SITE: A pesticide fire was reported to Environmental Protection Agency-Emergency Response Branch (EPA-ERB) on January 17, 1990. Ecology and Environment, Inc. Technical Assistance Team (E & E TAT) responded and took samples of soil, water, pesticide debris, and confirmation clean-up. Source of information: E & E TAT, 1990, TDD #T08-9001-019. DESCRIBE SITE AND NATURE OF SITE OPERATIONS (property size, manufacturing, waste disposal, storage, etc.): Baker Bean and Feed is involved in retail sale and distribution of fertilizer, chemicals, bean seed, grass and alfalfa seed, and other various feeds and commercial beans. Source of information: E & E TAT, 1990, TDD \$T08-9001-019. DESCRIBE ANY EMERGENCY OR REMEDIAL ACTIONS THAT HAVE OCCURRED AT THE SITE: EPA-ERB and E & E TAT responded to pesticide warehouse fire from January 18-20, 1990, and took numerous samples near the site. All debris from the pesticide area was removed and placed in a total of nine drums. Source of information: E & E TAT, 1990, TDD #T08-9001-019. ARE THERE RECORDS OR KNOWLEDGE OF ACCIDENTS OR SPILLS INVOLVING SITE WASTES? No Describe: Source of information:

MANE OF SITE OPERATOR: Ralph Heare and Coy Baker

F08-9106-15

PA Questionnaire

Page 4

PA Questionnaire Page 5

DISCUSS EXISTING SAMPLING DATA AND BRIEFLY SUMMARIZE DATA QUALITY (e.g., sample objective, age/comparability, analytical methods, detections limits and QA/QC): Sampling objectives included detemining the extent of aerial deposition, pesticide contamination of fire and runoff water, disposal of unburned pesticide waste, and confirmation of clean-up actions. Sixteen surface soil samples, six surface water samples, one bunker gear sample, two fish tissue samples, and four waste and clean-up confirmation samples were collected January 19-21, 1990. Source of information: E & E TAT, 1990, TDD #T08-9001-019.

VASTE CONTAINMENT/HAZARDOUS SUBSTANCE IDENTIFICATION

- 11. FOR RACH SOURCE AT THE SITE, SUMMARIZE ON TABLE 1 (page 12): 1) Methods of hazardous substance disposal, storage or handling; 2) size/volume/ area of all features/structures that might contain hazardous waste; 3) condition/integrity of each storage disposal feature or structure; and 4) types of hazardous substances handled.
- 12. BRIEFLY EXPLAIN HOW WASTE QUANTITY WAS ESTIMATED (e.g., historical records or manifests, permit applications, air photo measurements, etc.):

Nine drums of pesticide fire debris were counted by E & E TAT in 1990.

Source of information: E & E TAT, 1990, TDD #T08-9001-019.

13. DESCRIBE ANY RESTRICTIONS OR BARRIERS ON ACCESSIBILITY TO ONSITE WASTE MATERIALS:

A new warehouse has been erected on top of the fire site.

Source of information: E & E Field Investigation Team (FIT), August 21, 1991, Site Visit.

Page 6 GROUND VATER CHARACTERISTICS 14. ANY POSITIVE OR CIRCUMSTANTIAL EVIDENCE OF A RELEASE TO GROUND WATER? No Describe: Source of information: 15. ON TABLE 2 (page 13), GIVE NAMES, DESCRIPTIONS, AND CHARACTERISTICS OF GEOLOGIC/HYDROGEOLOGIC UNITS UNDERLYING THE SITE. 16. MBT PRECIPITATION: __18 inches SURPACE WATER CHARACTERISTICS 17. ARE THERE SURFACE VATER BODIES WITHIN 2 MILES OF THE SITE? Yes ____ Ditches Lakes Pond Creeks Rivers X Other Garland Canal 18. DISCUSS THE PROBABLE SURFACE RUNOFF PATTERNS FROM THE SITE TO SURFACE A dirt embankment separates the site and the canal, but runoff water would flow along the drainage ditch. 19. PROVIDE A SIMPLIFIED SKETCH OF SURFACE RUMOFF AND SURFACE WATER FLOY SYSTEM FOR 15 DOWNSTREAM MILES (see item \$36). 20. ANY POSITIVE OR CIRCUMSTANTIAL EVIDENCE OF SURFACE WATER CONTAMINATION? No Describe: Source of information: 21. ESTIMATE THE SIZE OF THE UPGRADIENT DRAINAGE AREA FROM THE SITE: 5 acres Source of information: USGS, 1966, 7.5' Series, Topographic Map, Elk

Basin Southeast, Wyoming.

PA Questionnaire

Page	estionnaire 7				
22.	DETERMINE THE AV	rrace annval str	ran plov of down:	STREAM SUE	REACE WATERS
	Water body:	Garland Canal	Flow:	800	cžs
	Water body:	Bitter Creek	Flows	57	cfs
	Vater body:	Shoshone River	Flows	950	cfs
	Source of inform	ation: USGS, 19	88, Water Resour	ces Data,	WY-98-1,
23.	IS THE SITE OR P	ORTIONS THEREOF	LOCATED IN SURFA	ce water?	
24.	IS THE SITE LOCA	TED IN A PLOODPL	AIN (indicate fl	ood freque	ency)? Yes: 70 yr
25.	IDENTIFY AND LOC VITHIN 15 DOWNST		6) ANY SURFACE W. E SITE: None	ATER RECRI	EATTON AREA
	CONTROL OF THE PROPERTY OF THE			HANNER COSSOS WANTED AND THE SECRETARY OF THE SECRETARY O	
		ant commonwhall (1974) and all country of the particular of the School of the Country of the School		Saverner (Schreimer nier zohlbruhre (des de sehreimlicher	
	Source of inform	ation:		MEN AND THE SHIRT WAS A STREET OF COLUMN	na iyyaa aanaanaa aa aanaa aa aa aa aa aa aa a
26.	TWO YEAR 24-HOUR	RAINPALL: 1.	6 inches	المنافقة المنافقة المنافقة المنافقة والمنافقة	Saakalalan kalan kal
TARG	S. S.				
27.	DISCUSS GROUND V	iater usage vithi	IN FOUR HILES OF	THE SITE:	The 5,350
	people living in	Povell and the	surrounding area	rely on	a shallow well
	system for potat	ole water.		SSOUNDERSON AND AND AND AND AND AND AND AND AND AN	

	Source of inform	mation: Buchanar	a, Eric, 1991, Ci	ty Engine	er's Office.
28.	SUMMARIZE THE PO	PULATION SERVED	BY GROUND VATER	ON THE TA	BLE BELOW:
		istance (miles)	Population		
	o	- 1/4	987		
	1,	/4 - 1/2	1348		

1348

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	2 - 3	150
	3 - 4	200
	Source of information: Erins,	Glenn, 1991, Powell City Clerk.
29.	IDENTIFY AND LOCATE (see item (INTAKES WITHIN 15 DOWNSTREAN MI	36) POPULATION SERVED BY SURFICE WATER LES OF THE SITE: No diversions for
	drinking water are recorded wit	hin 15 downstream miles of the site.
	ENOTATION STEEDING TO SEE SHE SHE SHE SHE SHE SHE SHE SHE SHE	
	Source of information: Feblea.	Clarice, 1991, Shoshone Irrigation.
30.	(1.e., provide Standing Crop of	ITHIN 15 DOWNSTREAN WILES OF THE SITE production and acreage, etc.):
		Creek. The Shoshone River is classified
	as a Class Three river with lar	ge populations of brown trout and rainbow
	trout.	
	Source of information: Pistono	, Robert, 1991, Wyoming Fish and Game.
31.	Charles and the Driving Mr. Th	AS EXIST, CHOOSE RECREATIONAL USE E POPULATION WITEIN THE ASSIGNED RADIUS GEMS to allocate into distance rings).
	MLACS /	provements X (assigned radius = 125
	a contract that the first	(assigned radius = 80 miles) assigned radius = 40 miles) ad access is not restricted
	(assigned radius = 10 mile	

PA Questionnaire Page 8 PA Questionnaire Page 9

33.

32. DETERMINE THE DISTANCE FROM THE SITE TO THE NEAREST OF EACH OF THE FOLLOWING LAND USES

Description	Distance (miles)
Commercial/Industrial Institutional	1 block
Single Family Residential	1.5 blocks
Multi-Family Residential	1.5 blocks
Fark	2 blocks
Agricultural	3 blocks
Source of information: E & E TAT, 1990	, T08-9001-019.
SUMMARIZE THE FOPULATION WITHIN A FOUR-	MILE RADIUS OF THE SITE:
Distance Popul (miles)	ation

(miles)

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Source of information: Erins, Glenn, 1991, Powell City Clerk.

200

OTHER REGULATORY INVOLVEMENT

3 - 4

34. DISCUSS ANY PERMITS:

County:

State:

Federal:

Other:

Source of information:

F08-9106-15

N

F08-9106-15

369676561 44757

PA Questionnaire

See Pigure 2

35. EXETCH OF SITE

Include all pertinent features, e.g., wells, storage areas, underground storage tanks, waste areas, buildings, access roads, areas of ponded water, etc. Attach additional sheets with sketches of enlarged areas, if necessary.

Page 10

PA Questionnaire Page 11

36. SURPACE WATER FRATURES

Provide a simplified sketch of surface runoff and surface water flow system for 15 downstream miles. Include all pertinent features, e.g., intakes, recreation areas, fisheries, gauging stations, etc.

See Figure 1

TABLE 1 VASUE CONTAINMENT AND HAZAROUS SUBSTANCE DENVISICATION¹

Sire in:	SEZR (Volume/Area)	PSTDACTO) WASTE (PANTITY	SERCIFIC COMPAINDS	CONTAINS NT 2	STERIES OF INVENTION
Pesticide containers (solid, powder and liquid state)	Urknown 2/3 ton		Counter 15G Dual 25G Malathion Lindane Benonyl Aldicarb	No containment, total of estimated quantity released during fire	Ecology and Environment, Inc., 1990.
			The state of the s		
And Colored and Co	`				
			water and a second		
	Access Appelled in Automotive State				

¹ Use additional sheets if necessary.

² Evaluate containment of each source from the perspective of each migration pathway (e.g., ground water pathway - non-existent, natural or synthetic liner, corroding underground storage tank; surface water - inadequate freeboard, corroding bulk tanks; air - unstabilized slag piles, leaking drums, etc.)

SCRATA NAME/DESCRIPTION	THEMES (ft.)	IEPIH TO VATER	embablic Charitatia(ce/se:)	THE OF	STEEZ OF INTEGRATION
Quaternary later terrace gravels	20 - 30'	35′	10 ⁻²	No	Pisher, 1906.
Tertiary Laramie and associated formations	5000-7000′	AMADON	10 ⁻⁴	No	Ħ
				CONTRACTOR AND	
	Company of the state of the sta			Annual designation of the control of	
	The state of the s				
	NAMES DESCRIPTION OF THE PROPERTY OF THE PROPE		,		

¹ Use additional sheets if necessary.
2 Identify the type of discontinuity within four-miles from the site (e.g., river, strata "pinches out", etc.)

APPENDIX B STANDARD PA FORM

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4		- SITE IMPOMO	ation and as							
	II. SINE RASE AND LOCATION	many and constitutions are an arranged acceptance		CONTRACTOR OF THE PROPERTY OF	TO SEE THE SECRETARY CONTRACTOR OF THE SECRETARY	ENGINEERING AND CONTRACTOR AND CONTRACTOR OF THE STATE OF				
STROOPS	01 SITE NAME (Legal, common, or descriptiv	re mame of site		02 STREET, ROUTE WO., OR SPECIFIC LOCATION IDENTIFIES 313 South Fair Street						
	Baker Sean and Feed		jala sout	THE RESIDENCE OF THE PROPERTY						
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W. Salah	Powell	20042444444444	MX	82435	Park	029				
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-	Pair Stroot and Coulter Avenue, next to t	the Garland Ca	nal.							
ceses	**************************************									
	III. RESPONDENCE PARTIES			A SHORE OF THE COLUMN TO A SHORE OF THE COLUMN						
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- Contract	07 OPERATOR (If known and different from <	owner)	08 STREE	T (Business,	mailing, residen	itial)				
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EPA FORM 2070-12 (7-81)

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POTESTIAL BALANDOTS WASTE SITE PRELIMINANT ASSESSMENT

PART 2 - WASTE INFORMATION

EPA FORM 2070-12 (7-81)

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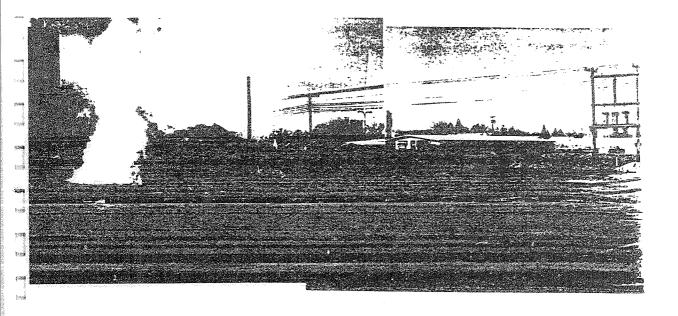
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APPENDIX C PHOTO LOG

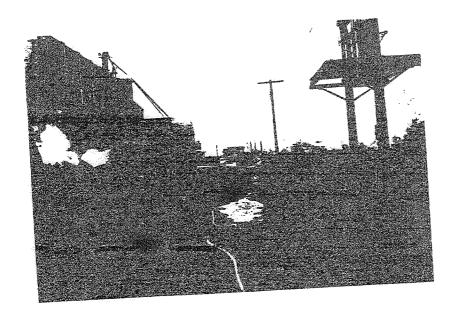


OFFICIAL PHOTOGRAPH ENVIRONMENTAL PROTECTION AGENCY

Subject:_	Baker Be	an and F	eed - Pe	esticide F	ire
Locations	Panoram	a of fir	e site,	facing no	TTIVEST.
City: Por	vell		County:		State: WY
Date: Ja	nuary 18,	1990	Tin	me: <u>1320</u>	Hours
Photograpi	ner: Abb	<u>ennaus/M</u>	forrison		
Film: 35	ASA:	400_I	ocation	of Negati	ve: EPA-ERB
File: TO	3-9001-01	9	per graphy grin, new york in the light of the latest than the latest terms.		
Witness:	Abbenhau	s/Morris	on		
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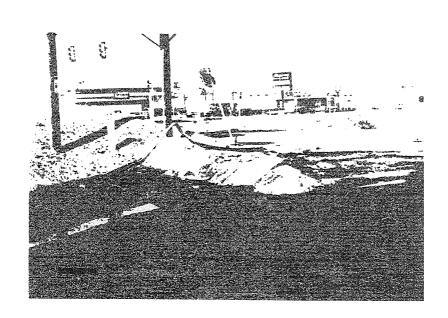


OFFICIAL PHOTOGRAPH ENVIRONMENTAL PROTECTION AGENCY

Subject: Baker Bean and Feed - Pesticide Fire
Location: Looking east of fire site of fire hose water
runoff. Lity: PowellCounty: ParkState: WY
Date: January 20, 1990 Time: 1340 Hours
Photographer: Abbenhaus/Morrison
Film: 35 ASA: 400 Location of Negative: EPA-ERB
File: T08-9001-019 Witness: Abbenhaus/Morrison
Process: Safeway
Paper: Kodak

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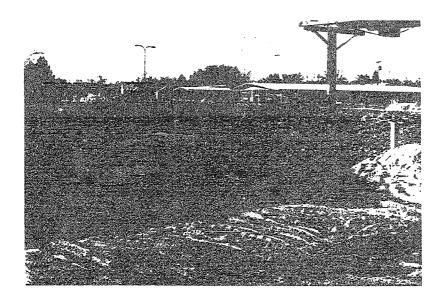


OFFICIAL PHOTOGRAPH ENVIRONMENTAL PROTECTION AGENCY

Subject: Baker Bean and Feed - Pesticide Fire	
Location: Reconstructed berm at fire site.	
City: Powell County: Park State	: WY
	Hours
Photographer: Abbennaus/Morrison	
Film: 35 ASA: 400 Location of Negative: EPA	-ERB
File: T08-9001-019	one, and an
Witness: Abbennaus/Morrison	
Process: Safeway	
Paper: Kodak	

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OFFICIAL PHOTOGRAPH ENVIRONMENTAL PROTECTION AGENCY

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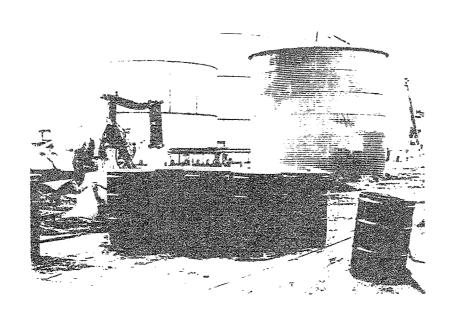


OFFICIAL PHOTOGRAPH ENVIRONMENTAL PROTECTION AGENCY

Subject: Baker Bean and Feed - Pesticide Fire
Location: Picture of pesticide waste pile on building
floor where fire occurred.
City: Powell County: Park State: WY
Date: January 21, 1990 Time: 0930 Hours
Photographer: Abbenhaus/Morrison
Film: 35 ASA: 400 Location of Negative: EPA-ERB
File: T08-9001-019
Witness: Abbernaus/Morrison
Process: Safeway
Paper: Kodak
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OFFICIAL PHOTOGRAPH ENVIRONMENTAL PROTECTION AGENCY

Subject: Baker Bean and Feed - Pesticide Fire

Location: Drummed up waste of pesticide bile at the fire site.

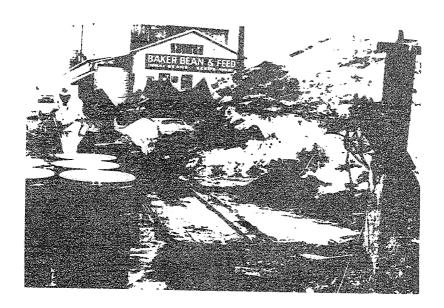
City: Powell County: Park State: WY Date: January 21, 1990 Time: 1200 Hours Photographer: Abbenhaus/Morrison

Film: 35 ASA: 400 Location of Negative: EPA-ERB File: T08-9001-019

Witness: Abbenhaus/Morrison

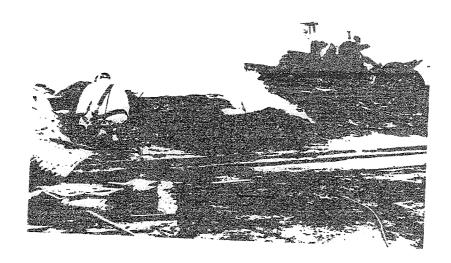
Process: Safeway

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OFFICIAL PHOTOGRAPH ENVIRONMENTAL PROTECTION AGENCY

Subject: Baker Bean and Feed - Pesticide Fire
Cloaned up mile of pasticide waste remains.
Location: Cleaned up blie of Described
Area of where pesticides were located, all removed.
City: Powell County: Park State: WY
Date: January 21, 1990 Time: 1200 Hours
Photographer: Abbenhaus/Morrison
Film: 35 ASA: 400 Location of Negative: EPA-ERB
File: T08-9001-019
Witness: Abbennaus/Morrison
Process: Safeway
Paper: Kodak



OFFICIAL PHOTOGRAPH ENVIRONMENTAL PROTECTION AGENCY

Subject: <u>Baker Bean and</u>	i Feed - Pesticide Fire
Location: Taking cleanu	D confirmation samples.
City: Powell	County: Park State: WY
Date: January 21, 1990	Time: 1200 Hours
Photographer: Abbenhaus	5/Norzison
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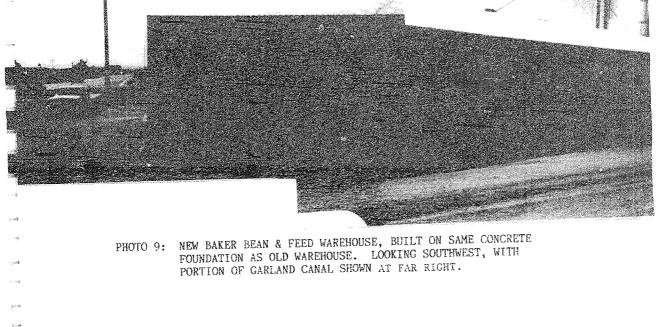


PHOTO 10: EAST ENTRANCE TO NEW WAREHOUSE.

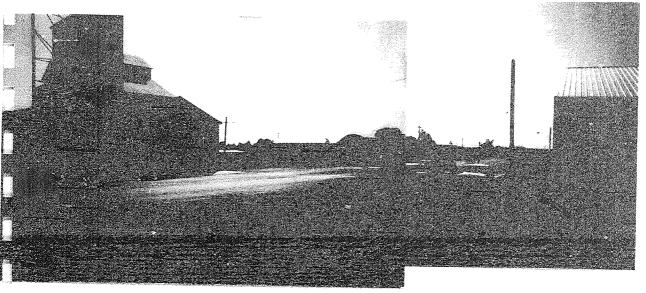


PHOTO 11: BAKER BEAN & FEED OFFICE ACROSS FAIR STREET, LOOKING EAST FROM WAREHOUSE.

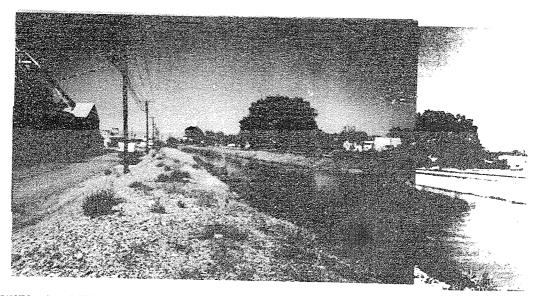


PHOTO 12: DIRT EMBANKMENT SEPARATING WAREHOUSE AND GARLAND CANAL, LOOKING SOUTHWEST.

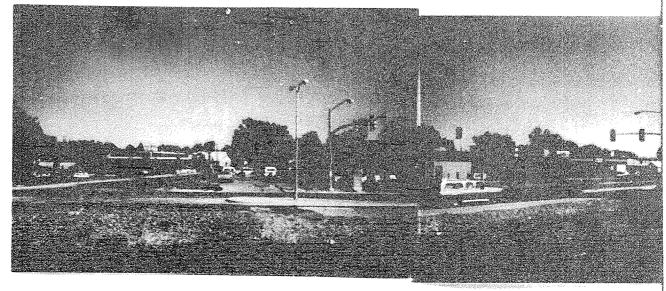


PHOTO 13: COMMERCIAL BUILDINGS ACROSS THE GARLAND CANAL. FACING NORTH.

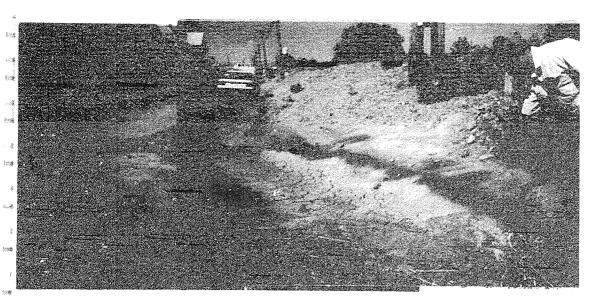
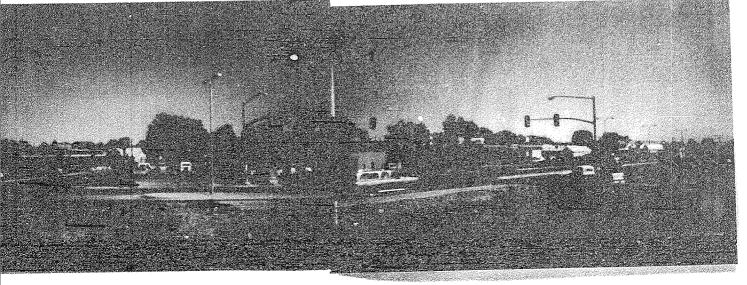
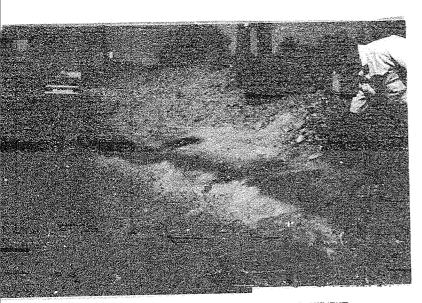


PHOTO 14: STAINED SOIL IN AREA OF FIRE WATER RUNOFF, NEAR EMBANKMENT, FACING WEST.



RCIAL BUILDINGS ACROSS THE GARLAND CANAL, FACING NORTH.



NED SOIL IN AREA OF FIRE WATER RUNOFF, NEAR EMBANKMENT, NG WEST.

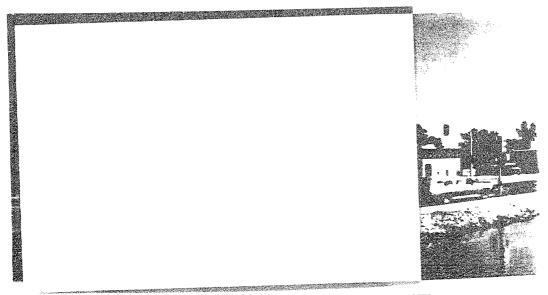


PHOTO 13: COMMERCIAL BUILDINGS ACROSS THE GARLAND CANAL, FACING NORTH.

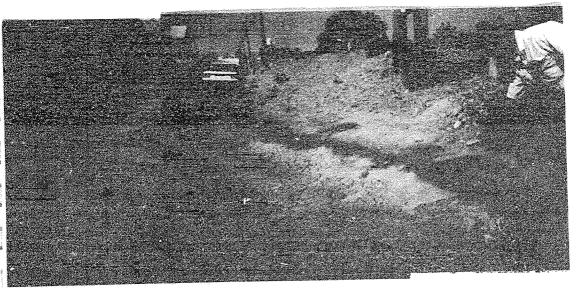


PHOTO 14: STAINED SOIL IN AREA OF FIRE WATER RUNOFF, NEAR EMBANKMENT, FACING WEST.



PHOTO 15: DAMAGED CULVERT DRAIN, NEAR STAINED SOIL FACING EAST.